

CSOP Advisory Team
Alternative 5 Briefing:

September 7, 2005

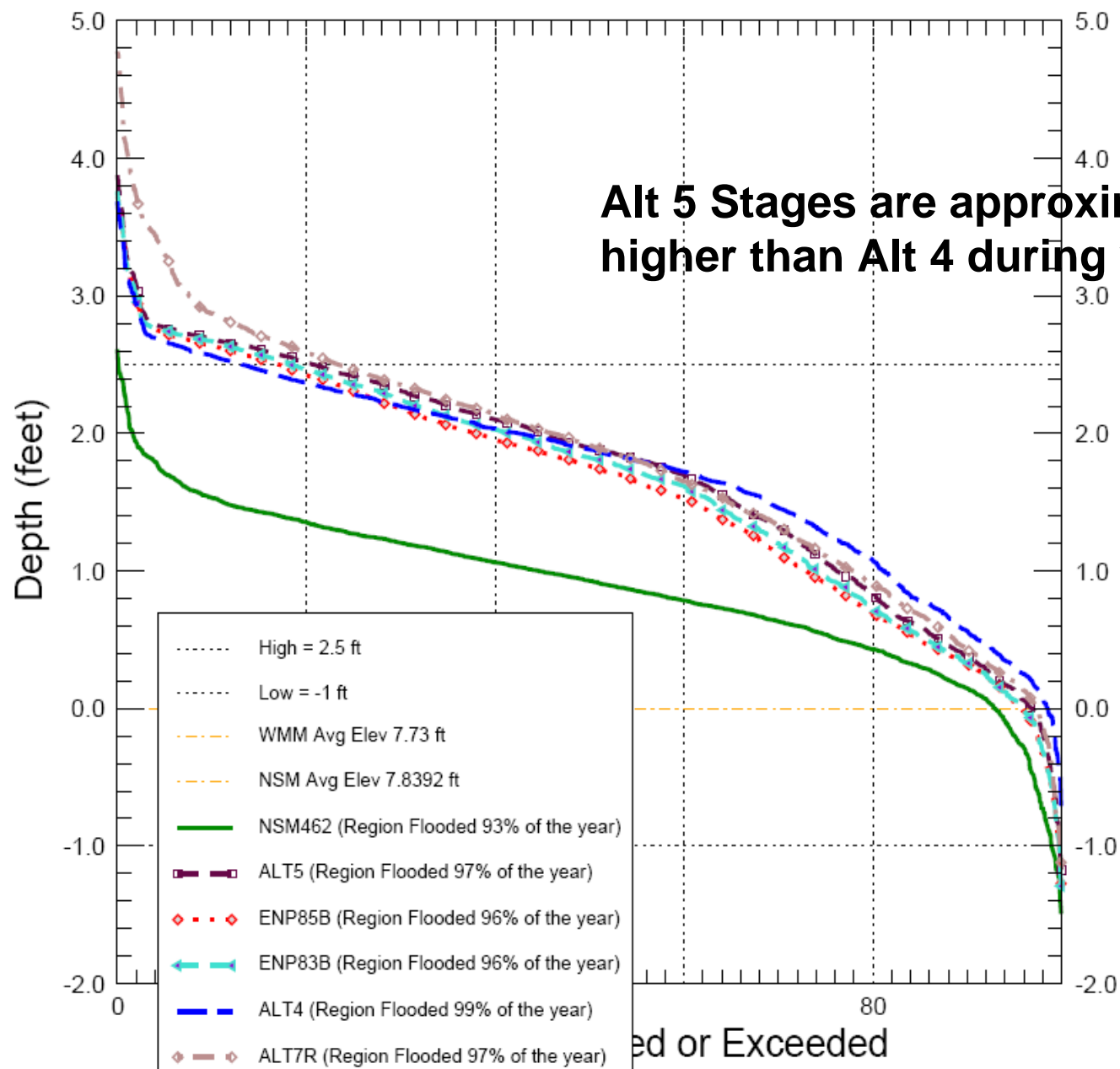
Comparison of Performance in WCA 3A and 3B

Authorized Objectives, Additional
Objectives and Planning
Constraints

CSOP Authorized Objective: Construct modifications to improve water deliveries into ENP and take steps to restore natural hydrologic conditions in ENP by restoring WCA 3B and Northeast Shark Slough as a functioning component of the Everglades hydrologic system.

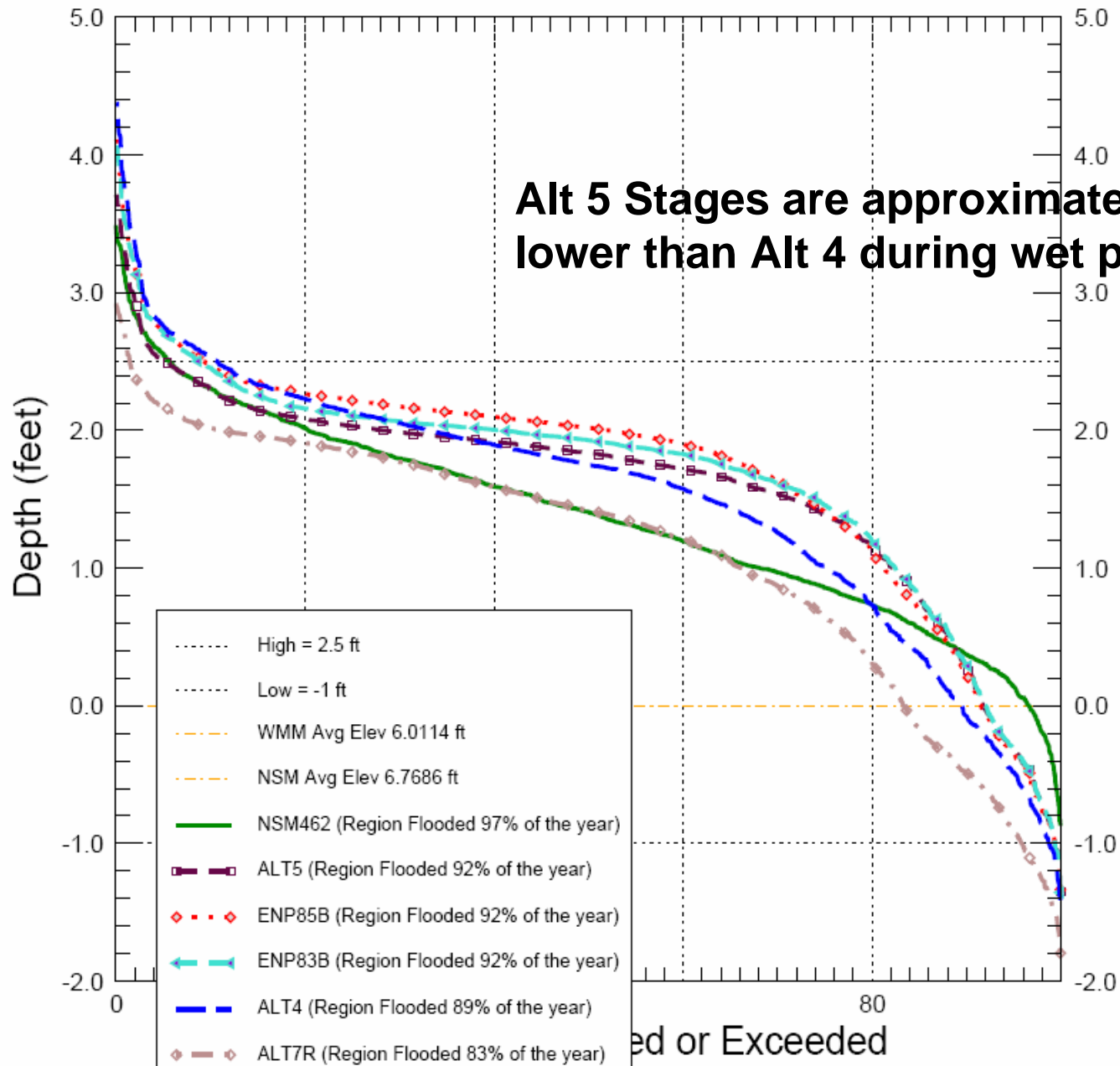
ized Weekly Stage Duration Curves for WCA-3A South

Indicator Region 124 (R24C17-20 R25C18-21 R26C18-21)



Normalized Weekly Stage Duration Curves for WCA-3B East

Indicator Region 128 (R23C24-26 R24C25-26 R25C26-26 R26C26-26)



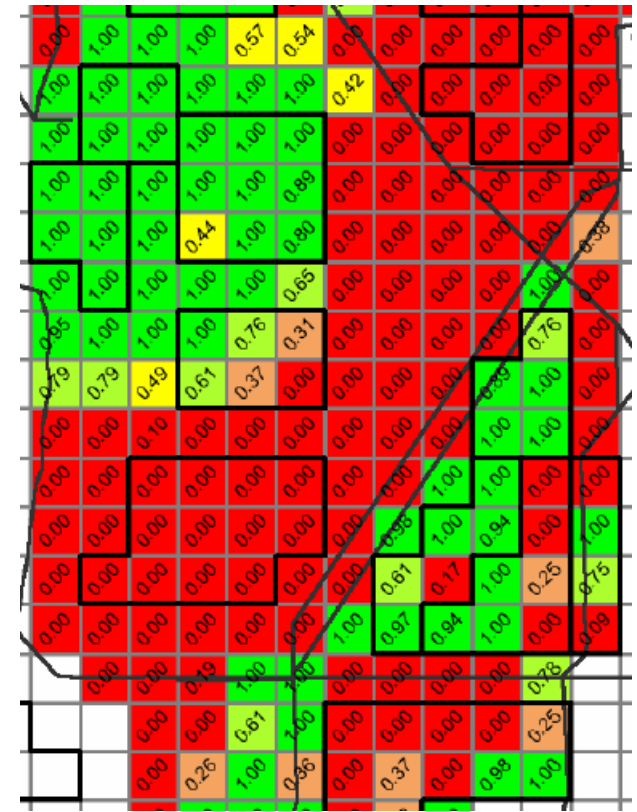
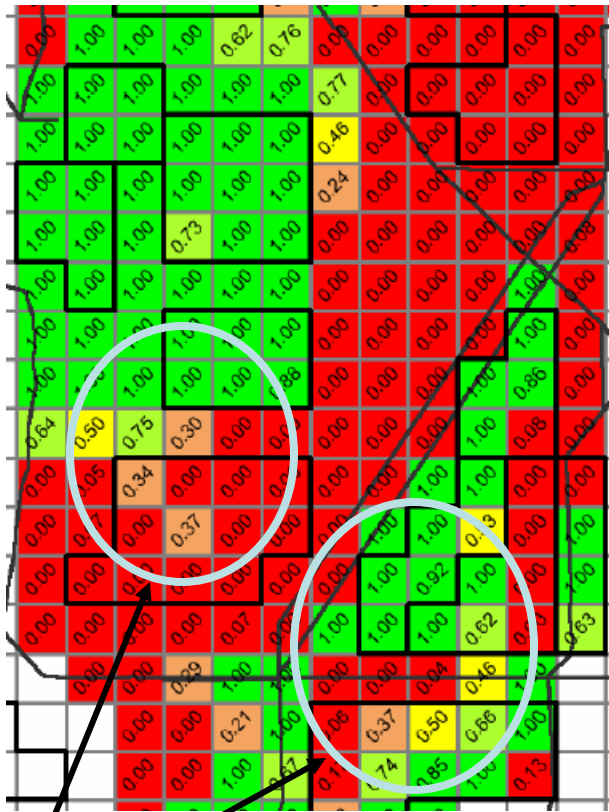
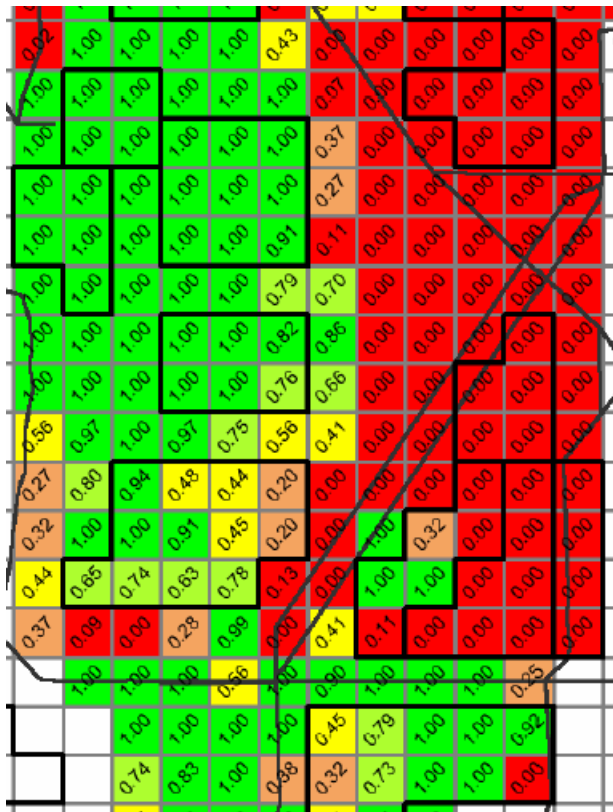
	ALT5	ENP85B
WCA-3B Out	341 kacre-ft/yr	442 kacre-ft/yr
% thru WCA-3B	39%	50%
NESS/WSS Split	44 / 56	54 / 46
WCA-3A > 2.5ft	20%	15%
WCA-3A > 2.0ft	47%	39%
WCA-3B > 2.5ft	5%	9%
WCA-3B > 2.0ft	31%	51%

Tree Island PM

West

Alt4

Alt5



Classes



Better



Worse



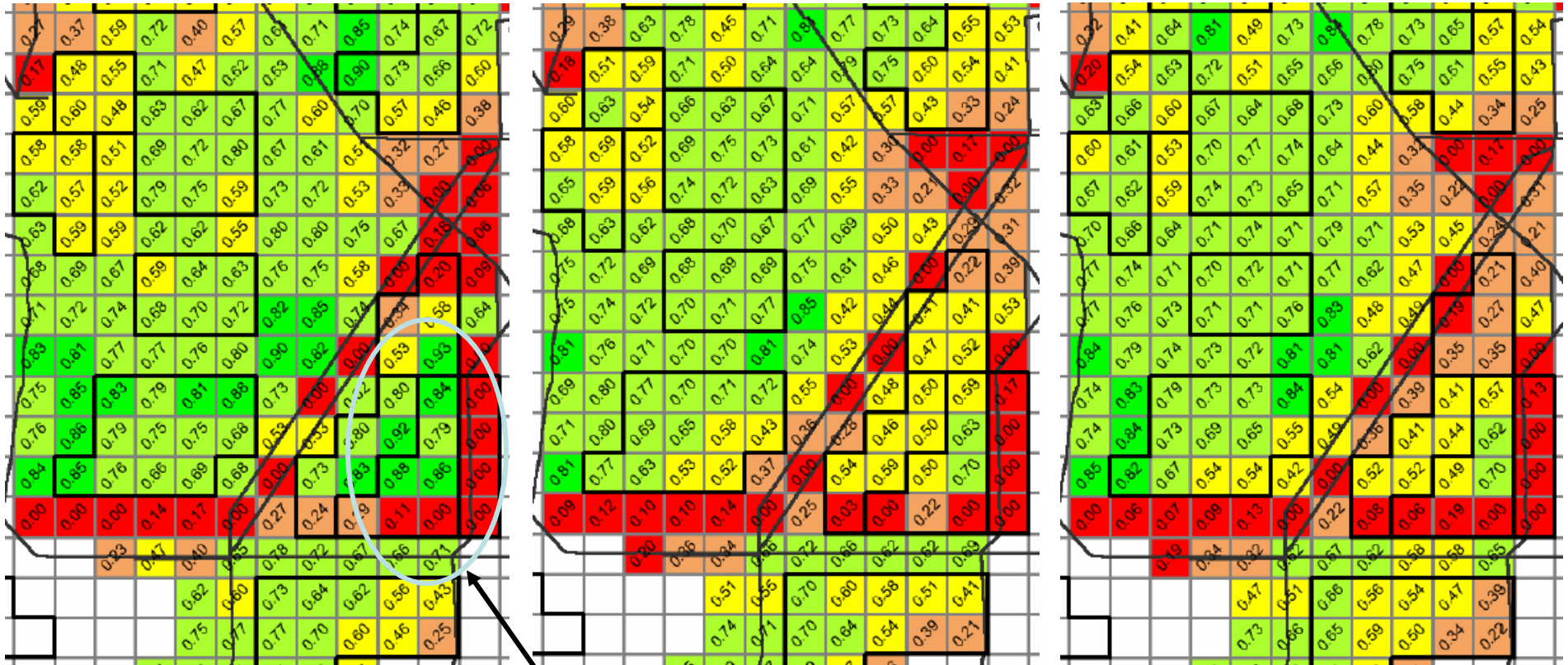
- In these areas, Alt4 performs better than Alt5.
- The differences are more pronounced if you compare the individual cell values.

Ridge & Slough PM

West

Alt4

Alt5



Classes



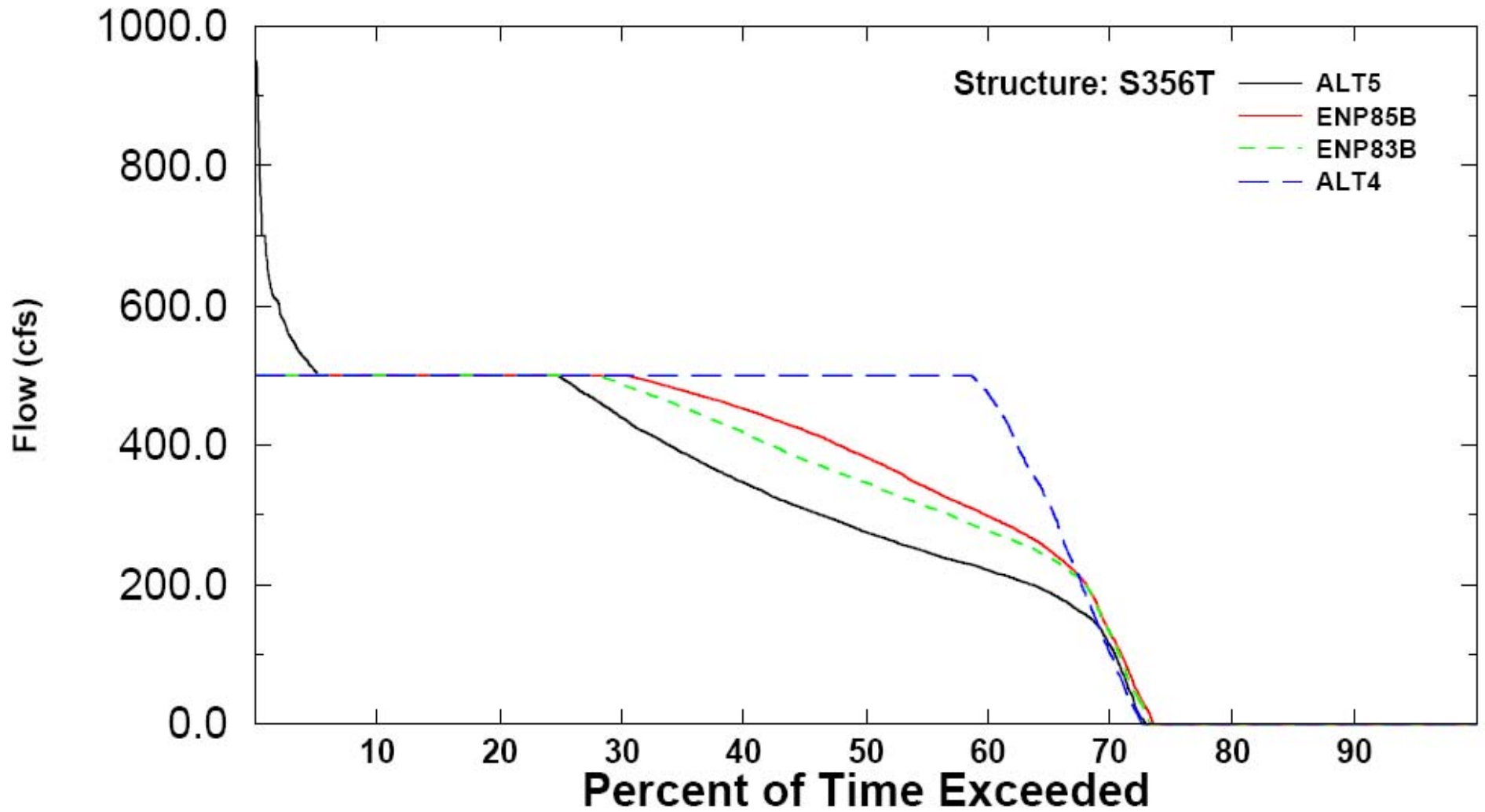
Increasing sheetflow through WCA3B will help to restore the ridge and slough landscape.

Comparison of Performance in Northeast Shark Slough and the Rocky Glades

Authorized Objectives, Additional
Objectives and Planning
Constraints

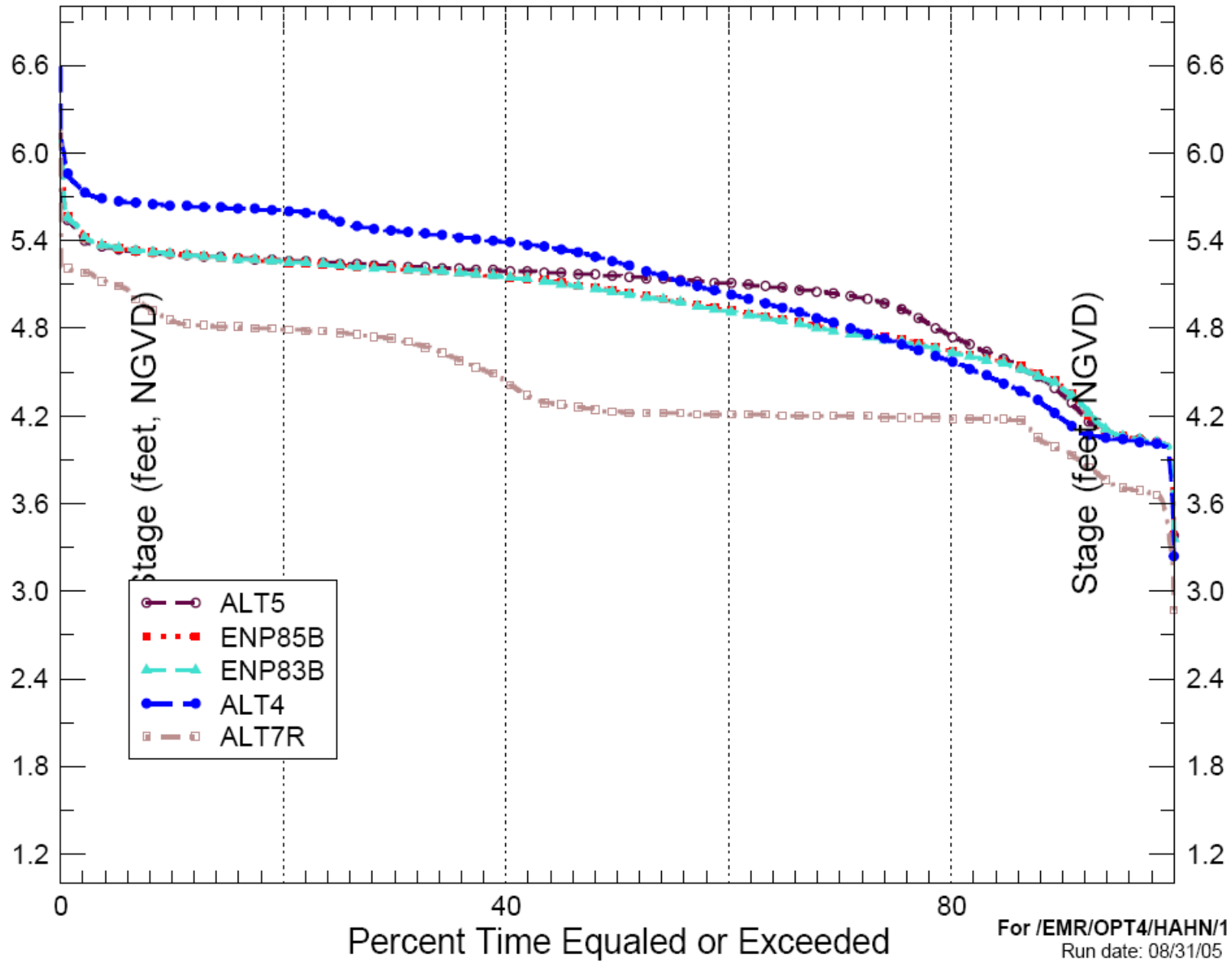
CSOP Authorized Objective: Protect the natural values associated with the ENP.

SFWMM Version 5.5.6 1965 - 2000

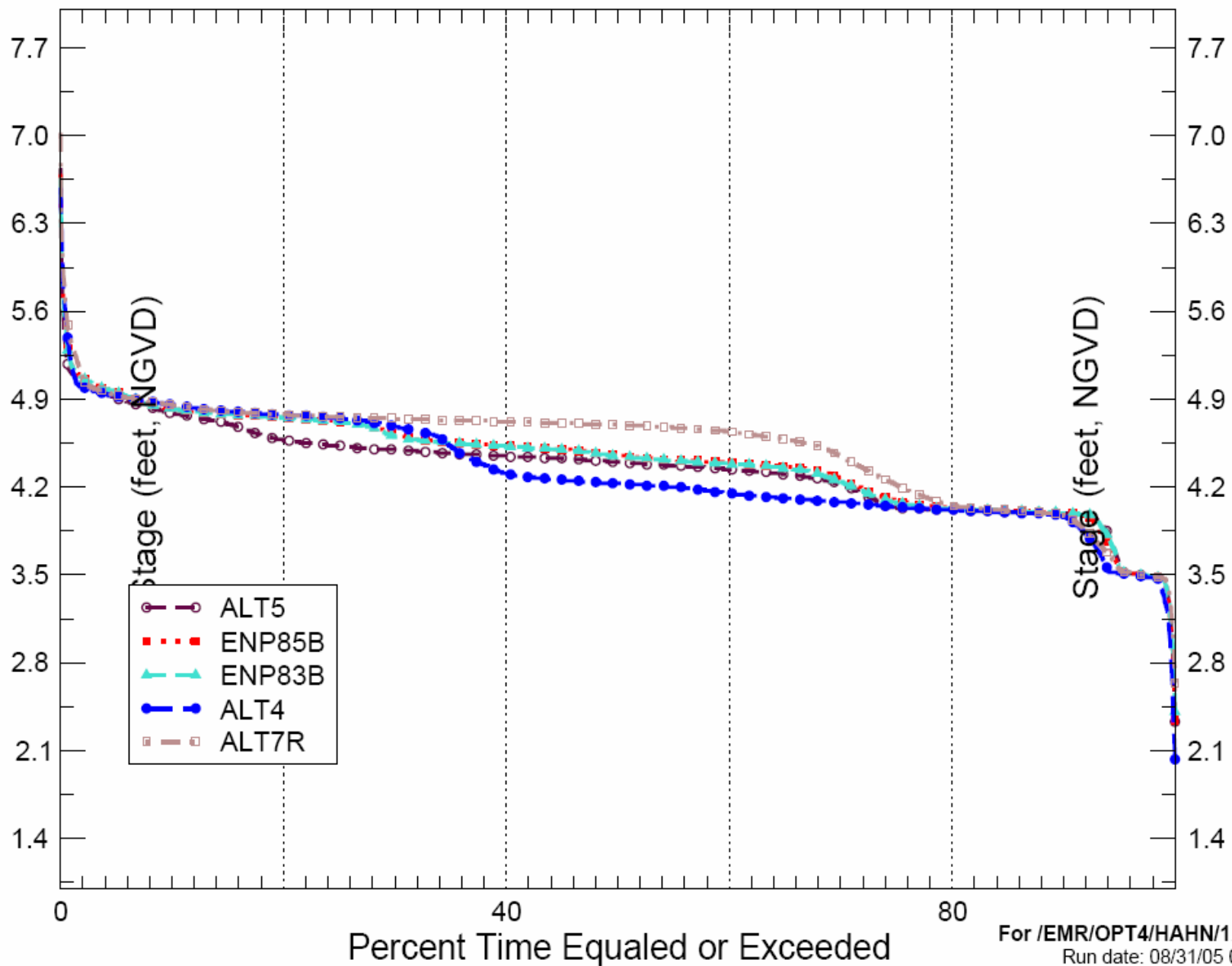


Run time: Aug 31, 2005
Everglades National Park
South Florida Natural Resources Center

Stage Duration Curves for L-31N Canal at S-331

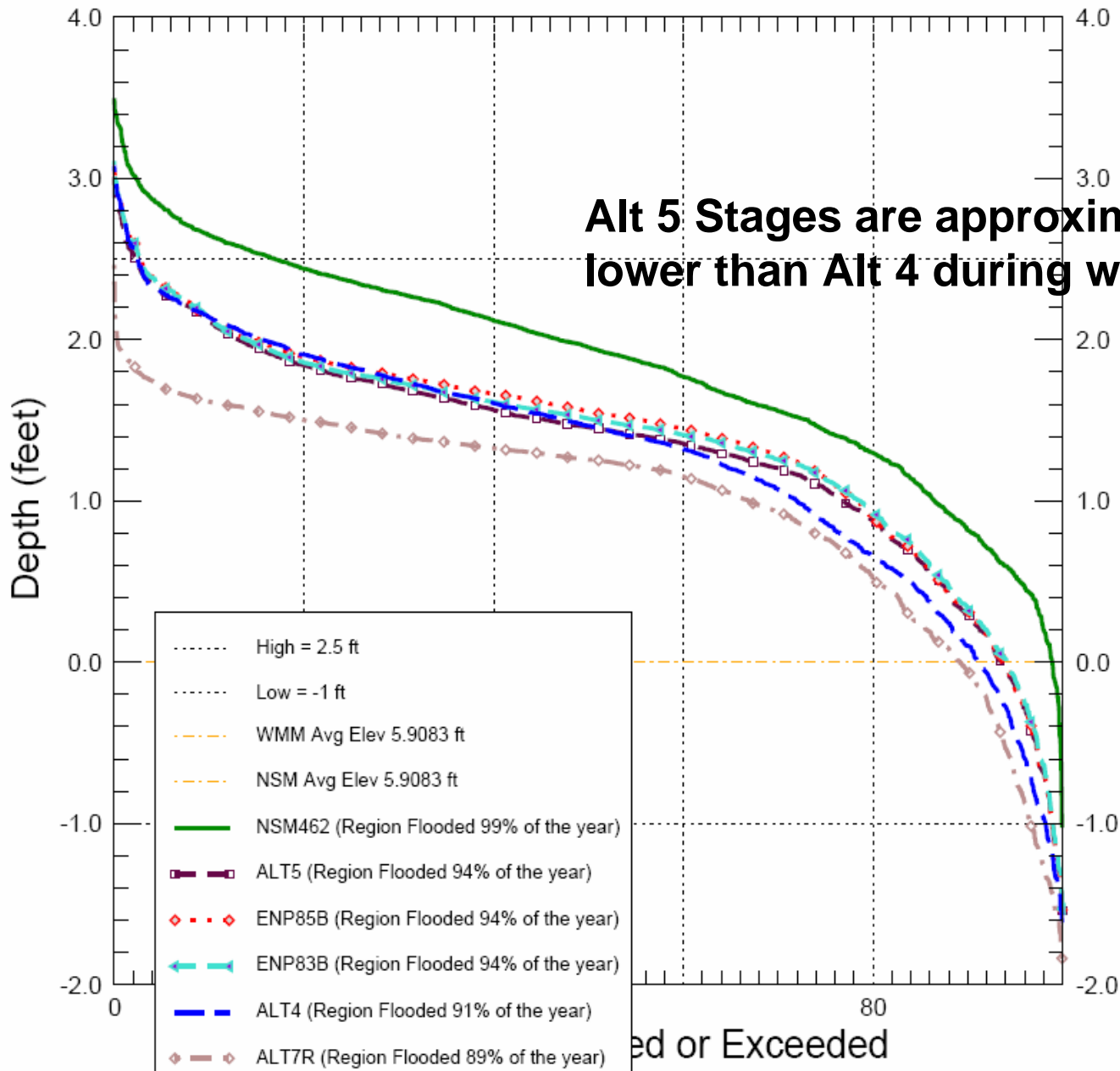


Stage Duration Curves for L-31N Canal at S-174



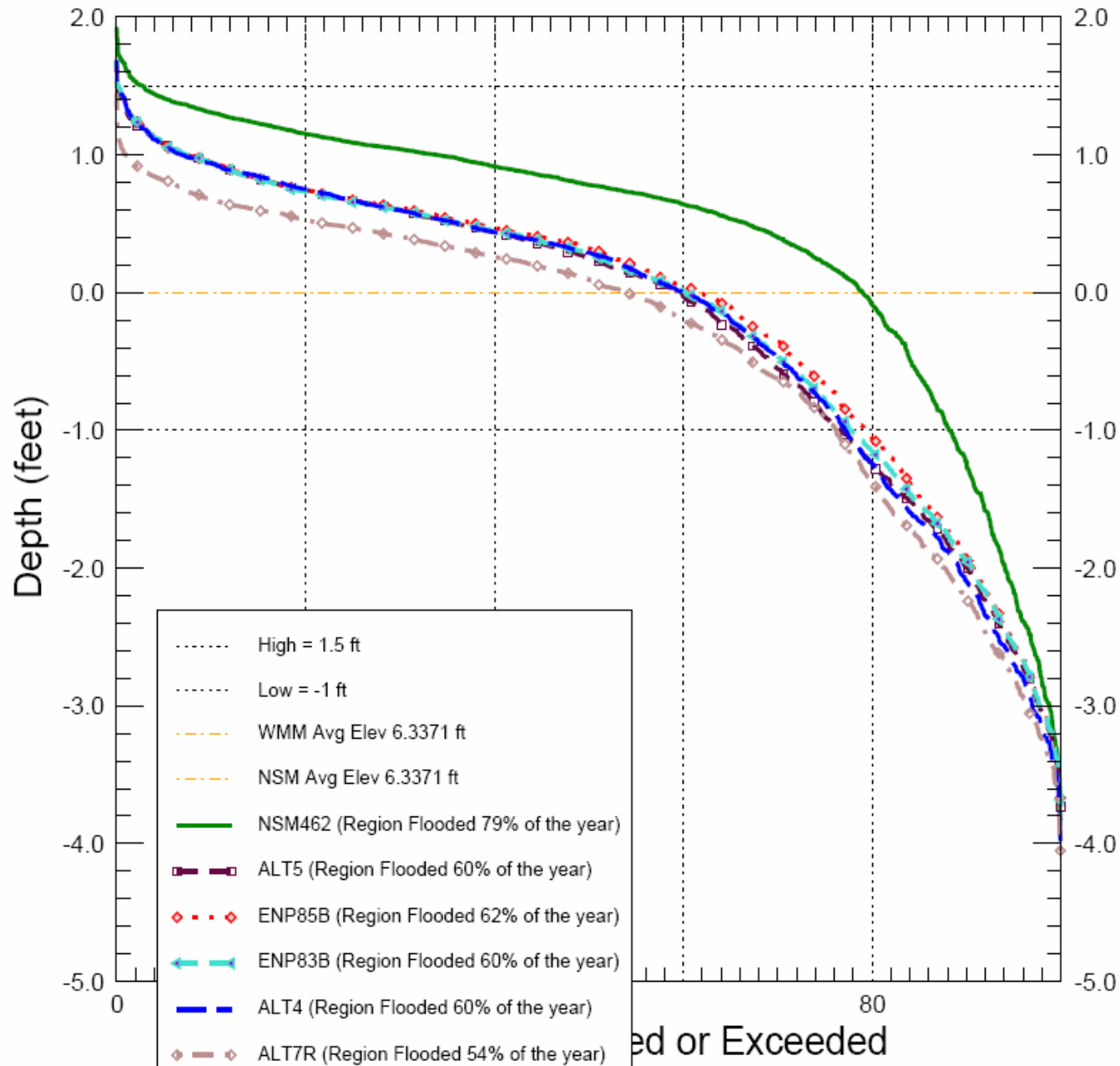
ized Weekly Stage Duration Curves for NE Shark Slough

Indicator Region 129 (R19C22-23 R20C22-26 R21C22-26)



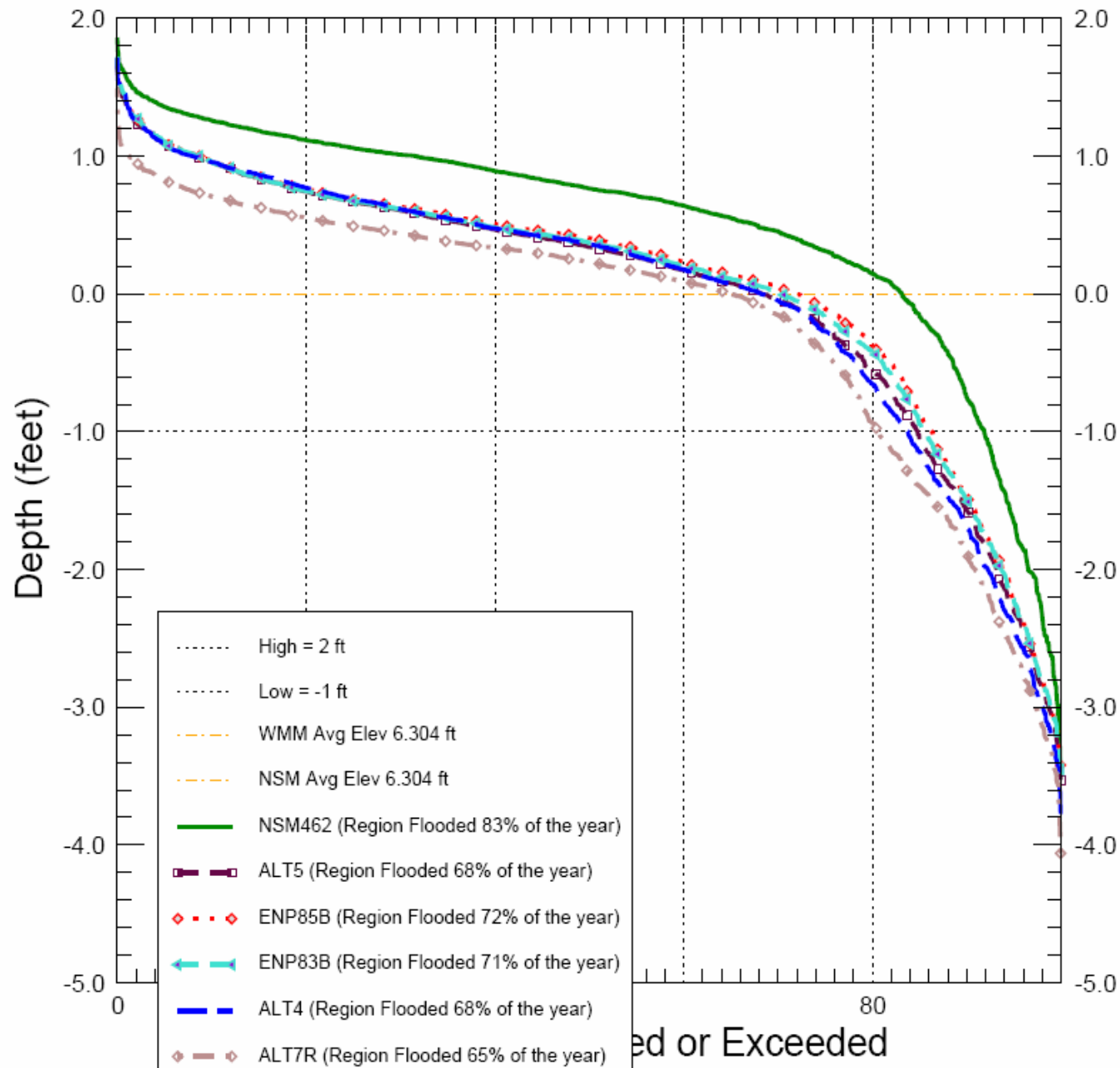
ed Weekly Stage Duration Curves for Rocky Glades East

ator Region 147 (R14C22-23 R15C22-23 R16C23-23 R17C24-24 R18C25-25)



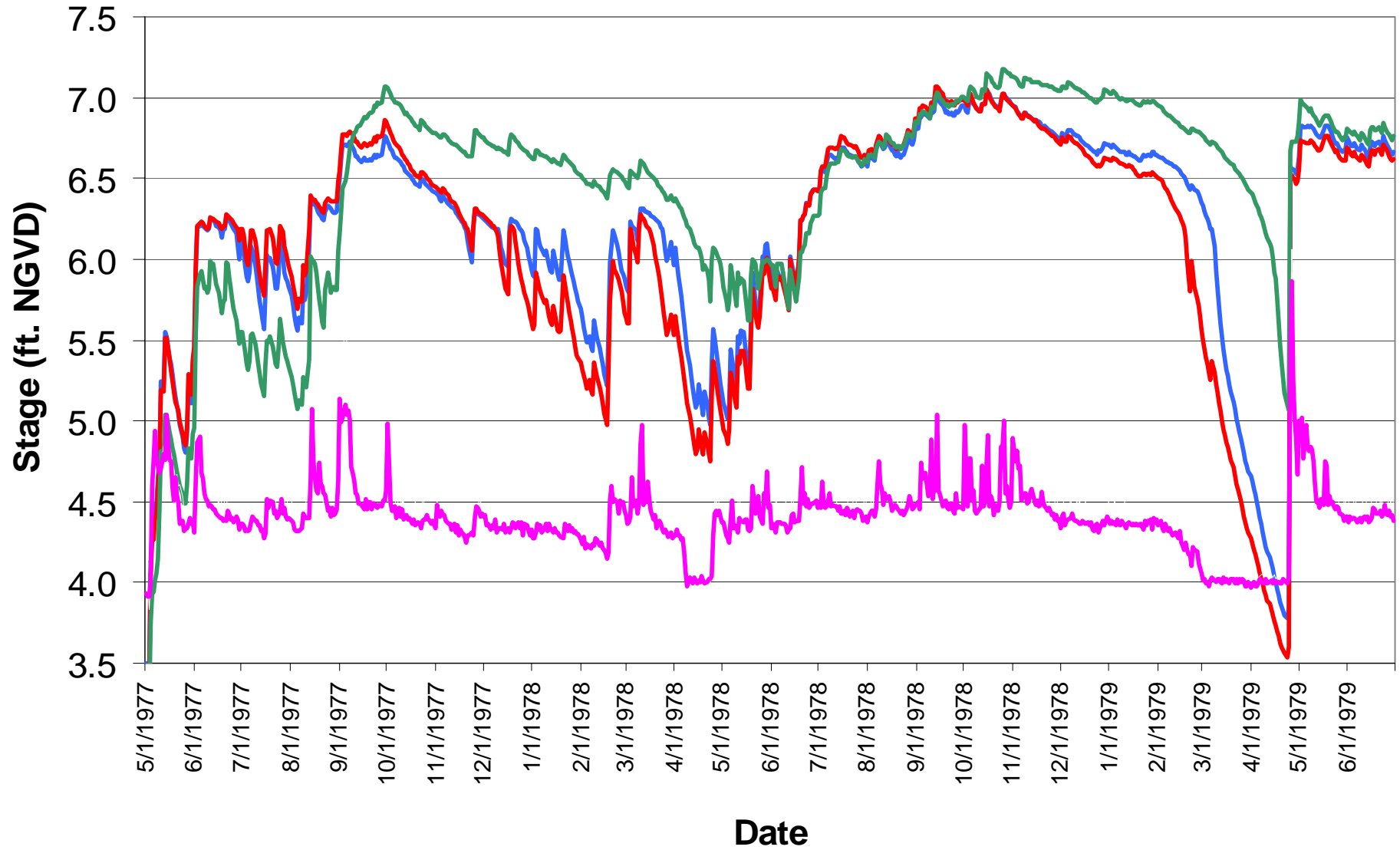
Estimated Weekly Stage Duration Curves for Rocky Glades West

for Region 148 (R14C21-21 R15C21-21 R16C22-22 R17C23-23 R18C24-24)



L31N Stages and Marsh Stages Two Miles West of S332B

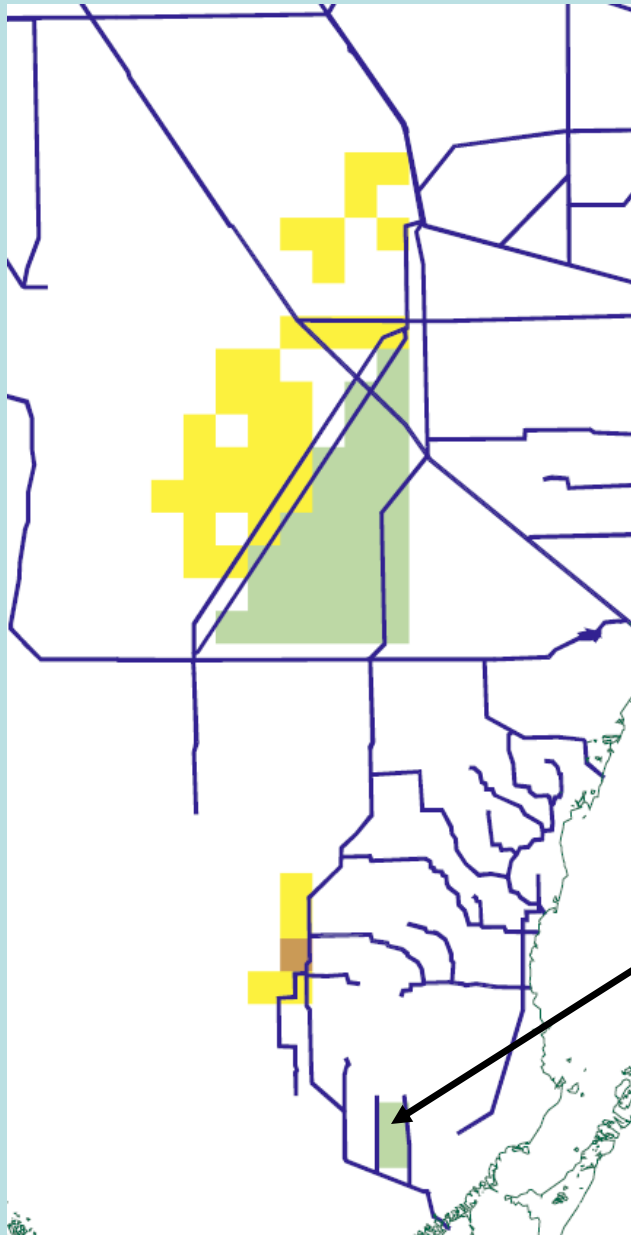
— ENP85B Marsh — ALT5 Marsh — NSMv4.6.2 Marsh — ALT5 L31N



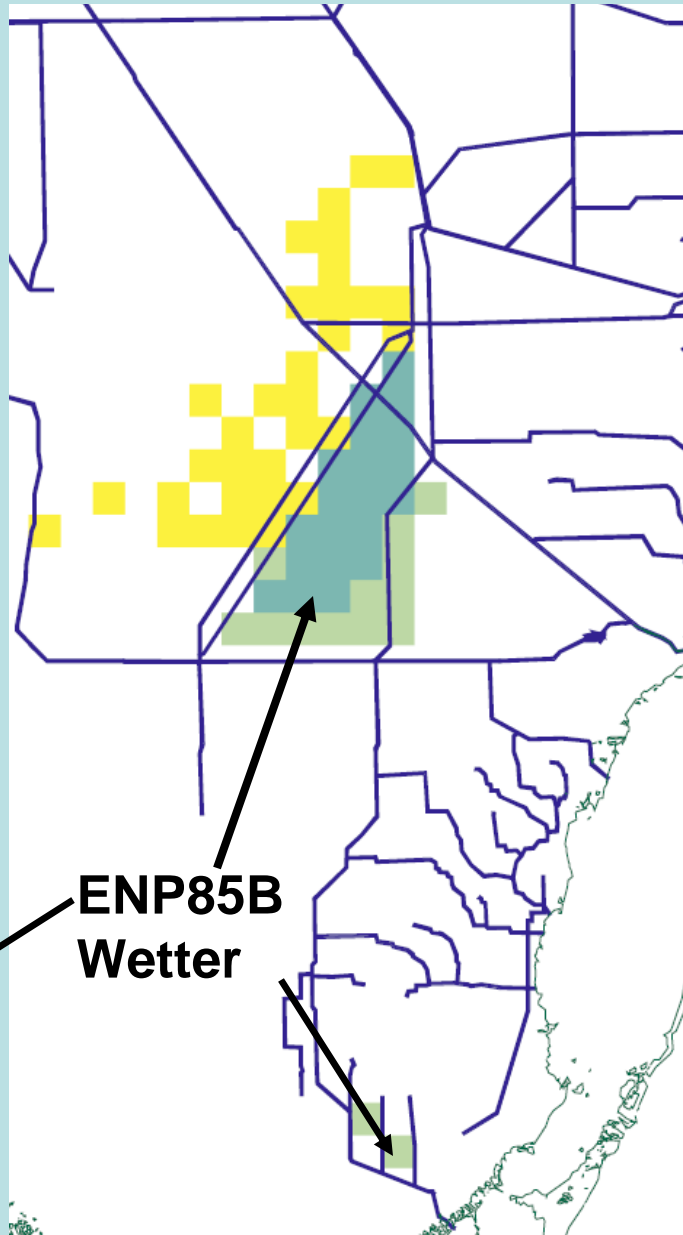
CSOP Authorized Objective: Explore opportunities for an enhanced level of flood damage reduction for the C-111 Basin east of L-31N and C-111 canals consistent with the restoration objectives, the USACE authority for the MWD and C-111 projects and operational considerations.

Average October Stage Difference ENP85B relative to ALT5

Average Year



1 in 10 Wet Year



Stage Difference (ft.)

- Diff > 1.0 lower
- 0.5 < Diff ≤ 1.0 lower
- 0.3 < Diff ≤ 0.5 lower
- 0.2 < Diff ≤ 0.3 lower
- 0.1 < Diff ≤ 0.2 lower
- NO CHANGE
- 0.1 < Diff ≤ 0.2 higher
- 0.2 < Diff ≤ 0.3 higher
- 0.3 < Diff ≤ 0.5 higher
- 0.5 < Diff ≤ 1.0 higher
- Diff > 1.0 higher